Claims

[1] An apparatus for performing a finger-pressure treatment on a body part, the apparatus comprising:
a first finger-pressure rod to be in contact with one surface of the body part;
a second finger-pressure rod for applying press on an opposite surface of the body part substantially opposite to said one surface;
a driving unit for generating a rotational force;
a rotation axle connected to an end portion of the second finger-pressure rod, for transmitting the rotational force of the driving unit to the second finger-pressure rod;
an elastic member which is connected to an end portion of the first finger-pressure rod and applies an elastic force to the first finger-pressure rod in such manner that the first finger-pressure rod is rotated in a first direction opposite to a second direction in which the press of the second finger-pressure rod applied on the body part; and
a mounting plate on which the rotation axle is rotatably mounted and the elastic member is mounted,
wherein the rotation axle is rotatably inserted into the end portion of the first finger-pressure rod, so that the rotational force of the driving unit is prevented from being transmitted to the first finger-pressure rod.

[2] The apparatus of claim 1, further comprising:
a detection unit mounted on the mounting plate, for generating a signal when the first finger-pressure rod rotates at more than a preset angle in the second direction; and
a controller for controlling the driving unit by receiving the signal of the detection unit,
wherein if the controller receives the signal of the detection unit, the controller controls the driving unit to rotate the second finger-pressure rod in the first direction.

[3] The apparatus of claim 2, further comprising:
a stopper mounted on the mounting plate, for preventing the first finger-pressure rod from rotating at more than a preset angle in the first direction,
wherein the elastic member elastically biases the end portion of the first finger-pressure into engagement with the stopper.

[4] The apparatus of claim 3, further comprising:
an adjusting unit for controlling the elastic force of the elastic member constituted by a spring by adjusting a length of the spring,

wherein a level of the press applied by the second finger-pressure rod on the body part is controlled by using the adjusting unit.

[5] The apparatus of claim 3, further comprising:
an opening detection unit mounted on the mounting plate, for generating, when the second finger-pressure rod rotates at more than a preset angle in the first direction, a signal and then transmitting the signal to the controller,
wherein in case the controller receives the signal of the opening detection unit, the controller controls the driving unit to stop a rotation of the second finger-pressure rod.

[6] The apparatus of claim 5, further comprising:
a switch electrically connected to the controller,
wherein in case a user turns on the switch, the controller controls the driving unit to rotate the second finger-pressure rod in the first direction.

[7] The apparatus of claim 3, further comprising:
areduction unit for transmitting the rotational force of the driving unit to the rotation axle,
wherein the reduction unit consituted by a plurality of gears increases the rotational force of the driving unit and reduces a rotation speed thereof.

[8] The apparatus of claim 7, wherein the reduction unit has a worm gear assembly and, further, a worm of the worm gear assembly is attached to a rotator of the driving unit, the rotator of the motor being installed in substantially parallel to a plane on which the first and the second finger-pressure rod rotate.

[9] The apparatus of claim 3, wherein the first finger-pressure rod has a finger-pressure plate to be in contact with the body part, the finger-pressure plate rotatably connected to a free end portion of the first finger-pressure rod.

[10] The apparatus of claim 3, wherein the second finger-pressure rod has a finger-pressure tip attached to a free end portion of the second finger-pressure rod, the finger-pressure tip accommodating a vibration unit for generating vibration therein.